Canadian Journal of Earth Sciences

Author Index Volume 45, 2008

Revue canadienne des sciences de la Terre

Index des auteurs Volume 45, 2008

Adrain, J.M., 725 Allard, M., 31, 367, 427 Allen, T., 189 Arbour, V.M., 457 Arndt, N.T., 871 Ausich, W.I., 135 Azmy, K., 795 Baadsgaard, H., 781 Baker, J., 1331, 1345 Barchyn, T.E., 577 Barletta, F., 1265 Barnard, N.Q., 287 Barr, S.M., 815 Beaudoin, G., 15 Becker, R.T., 121 Bednarski, J.M., 593 Blasco, S., 1399 Bonnaventure, P.P., 443 Brett, C.E., 243 Bunbury, J., 1435 Burns, J.A., 611 Burrow, C.J., 897 Buteau, S., 367 Calvert, S.E., 1317, 1331, 1345

Calmels, F., 31, 367 Carignan, J., 1253 Chamberlain, K.R., 99 Chang, A.S., 1283 Channell, J.E.T., 1265 Chen, Z., 1501 Chi. G., 795 Church, B.N., 69 Churcher, C.S., 1487 Chutko, K.J., 1 Clague, J.J., 549, 935 Clark, I.D., 1139 Cockburn, T.C., 499 Constantin, M., 15 Cook, T.D., 1185 Copper, P., 1015 Corcoran, P.L., 1469 Creaser, R.A., 389, 513, 1039 Crookshanks, S., 1123 D'hulst, A., 15 Daley, A.C., 213 Daley, P.F., 1517 Dallimore, A., 1331, 1345 Daoust, C., 999 Darby, D., 1207, 1265, 1377 Dattilo, B.F., 243 De Souza, S., 999 de Vernal, A., 1221, 1235, 1253, 1299, 1363, 1377, 1417

Degeai, J.-P., 641

Dengler, A.A., 725 Desbiens, S., 897 Dostal, J., 69 Doughty, P.T., 99 Draus, E., 499 Ebbestad, J.O.R., 203, 231 Ebbighausen, V., 121 Eccles, D.R., 513, 531 Enkin, R.J., 1331, 1345 Eoff, J.D., 725 Evans, M.E., 781 Fairhurst, R., 243 Fedortchouk, Y., 879 Flude, L.I., 1095 Fortier, R., 367 Fréchette, B., 1221 Froese, D.G., 935 Funck, T., 465 Gajewski, K., 1435 Gauthier, M., 999 Geertesema, M., 611 Ghaleb, B., 1207 Gilbert, R., 1123 Giles, P.S., 45 Giraudeau, J., 1417 Godov, E., 337 Goodwin-Bell, J.-A.S., 669 Grasby, S.E., 1501 Graves, M.C., 457 Grelaud, M., 1417 Gröcke, D.R., 353 Gutiérrez-Alonso, G., 651 Hamblin, A.P., 1501 Hansen, A.K., 465 Harris, M.J., 860 Hart, C.J.R., 860 Hartman, G.M.D., 549 Hayman, P., 701 Heaman, L.M., 513, 531, 781, 1039 Hebda, R.J., 611 Hélie, J.-F., 1235 Hendy, I.L., 1283 Hickin, A.S., 577 Hill, P.R., 427 Hillaire-Marcel, C., 1199, 1203, 1207, 1235, 1243, 1253, 1377 Hills, L.V., 827 Holland, C.H., 1015 Hollis, K.A., 135 Hoogakker, B., 1417 Hugenholtz, C.H., 321 Hundert, T., 267 Ivanochko, T.S., 1317, 1331, 1345

Delisle, G., 31

Jackson, S.L., 83 Jensen, B.J.L., 935 Jin, J., 117, 119, 141, 159 Jull, A.J.T., 611 Juneau, V., 1139 Kamo, S., 981 Karim, T.S., 407 Karrow, P.F., 1487 Kato, T.T., 337 Kawasaki, K., 860, 969 Keppie, J.D., 69 Kerr, B., 577 Knight, I., 795 Kocak, K., 949 Kopylova, M.G., 701 Krebes, E.S., 1517 Kruse, P.D., 619 Lacelle, D., 1139 Lajeunesse, P., 427 Lakeman, T.R., 935 Lamoureux, S.F., 1 Larson, D.W., 1455 Lauriol, B., 1139 Lavoie, C., 427 Lavoie, D., 795 Laxton, S.C., 83 LeBarge, W., 879 LeBlanc, A.-M., 367 Ledger-Piercey, S., 1083 Ledu, D., 1363 Lerbekmo, J.F., 693, 781 Levson, V., 509, 565 Lewkowicz, A.G., 443 Li. D.-q., 769 Li. R.-Y., 189 Lines, L.R., 1517 Long, D.G.F., 483, 1159 Longstaffe, F.J., 815 Louden, K.E., 465 Ma. X., 121 Malo, M., 15 McCave, I.N., 1417 McKay, J., 1235, 1377 McKellar, R.C., 1061 Meng, X.W., 1243 Menounos, B., 935 Miller, R.F., 897 Moore, L.N., 1469 Moorman, B.J., 321 Moros, M., 1417 Morris, G.A., 389 Muehlenbachs, K., 781, 1061 Müller, J., 1111 Murphy, J.B., 651

Murray, A.M., 1185 Myers, J.S., 909 Narbonne, G.M., 1095 Nesbitt, E.A., 499 Ng, T.-W., 725 Not, C., 1207, 1377 Osbourn, G.D., 935 Pastre, J.-F., 641 Pedersen, T.F., 1283, 1317, 1331, 1345 Pellerin, A., 1139 Pe-Piper, G., 1083 Pienitz, R., 1345 Pilote, P., 15 Piper, D.J.W., 267, 1083 Pitcairn, I.K., 871 Polyak, L., 1207, 1265, 1377 Post, R.T., 483 Potter, J., 815 Potter, J.K., 287 Prothero, D.R., 499 Radi, T., 1299 Reid, C.R., 69 Reid, I.D., 465

Reynolds, P.H., 69

Richard, P.J.H., 1221 Rochon, A., 1265, 1363, 1399 Roden-Tice, M.K., 287 Ryan, J.J., 745 Sandeman, H.A., 745 Sato, T., 303 Sawada, M.C., 1435 Schell, T.M., 1399 Scott, D.B., 1399 Shapiro, B., 827 Sharp, W.D., 337 Smith, D.J., 83 Solignac, S., 1417 Southon, J.R., 1331, 1345 Stevenson, R.K., 1243 St-Onge, G., 427, 1265, 1363 Stott, C.A., 231 Strand, P., 1039 Sweet, A.R., 531, 781, 1501 Symons, D.T.A., 860, 969 Tapanila, L., 117, 119, 203 Tappert, R., 1061 Tettelaar, T.A., 909 Thompson, M.D., 815 Thomson, R.E., 1317, 1345 Tremblay, A., 999 Trommelen, M., 565 Tsuji, L.A., 1111

Tsujita, C.J., 243 Turner, D.G., 577 Turner, E.C., 1159 Turner, S., 897 Utting, J., 45 van Hengstum, P.J., 353 van Staal, C.R., 981 Viau, A.E., 1435 Voordouw, R.J., 909 Ward, J., 513 West, D.P., 287 Westrop, S.R., 725 White, C.E., 815 Wilson, M.C., 827 Wilson, M.V.H., 1185 Wilson, R.A., 981 Wolfe, A.P., 1061 Wolfe, S.A., 321 Wozniak, P.R.J., 1501 Wright, C.A., 1345 Xu, X.-c., 303 You, H.-I., 769 Zhan, R., 141 Zhang, J.-p., 769 Zhuravlev, A.Y., 619 Zurevinski, S.E., 1039

1

Canadian Journal of Earth Sciences

Contents Volume 45, 2008

Revue canadienne des sciences de la Terre

Sommaire Volume 45, 2008

January / Janvier

ARTICLES / ARTICLES

- Krystopher J. Chutko and Scott F. Lamoureux Identification of coherent links between interannual sedimentary structures and daily meteorological observations in Arctic proglacial lacustrine varves: potentials and limitations
- Alan D'hulst, Georges Beaudoin, Michel Malo, Marc Constantin, and Pierre Pilote Geochemistry of Sainte-Marguerite volcanic rocks: implications for the evolution of Silurian-Devonian volcanism in the Gaspé Peninsula
- Fabrice Calmels, Georg Delisle, and Michel Allard Internal structure and the thermal and hydrological regime of a typical lithalsa: significance for permafrost growth and decay

 31
- John Utting and Peter S. Giles Palynostratigraphy and lithostratigraphy of Carboniferous Upper Codroy Group and
 Barachois Group, southwestern Newfoundland 45
- Jaroslav Dostal, J. Duncan Keppie, B. Neil Church, Peter H. Reynolds, and Cheryl R. Reid The Eocene-Oligocene magmatic hiatus in the south-central Canadian Cordillera: a capture of the Kula Plate by the Pacific Plate?

 69
- Scott I. Jackson, Sarah C. Laxton, and Dan J. Smith Dendroglaciological evidence for Holocene glacial advances in the Todd Icefield area, northern British Columbia Coast Mountains 83
- P. Ted Doughty and K.R. Chamberlain
 Protolith age and timing of Precambrian magmatic and metamorphic events in the
 Priest River complex, northern Rockies

February / Février

The dynamic reef and shelly communities of the Paleozoic / La nature dynamique des communautés récifales et coquillières du Paléozoïque

INTRODUCTION / INTRODUCTION

Manitoulin Island, Ontario, Canada

Leif Tapanila and Jisuo Jin The dynamic reef and shelly communities of the Paleozoic 117

Leif Tapanila et Jisuo Jin La nature dynamique des communautés récifales et coquillières du Paléozoïque

ARTICLES / ARTICLES

- Xueping Ma, Volker Ebbighausen, and R. Thomas Becker Desquamatia and related atrypid brachiopods from the Frasnian (Upper Devonian) of Bergisches Land, Germany 121
- Kathy A. Hollis and William I. Ausich The Holdfast of Gilbertsocrinus tuberosus (Mississippian, Crinoidea)

 Renbin Zhan and Jisuo Jin Onshore migration of a deep-water brachiopod fauna from the Lower Ordovician Tonggao
- Formation, Jiangnan Slope, southeastern Guizhou Province, South China

 Jisuo Jin Environmental control on temporal and spatial differentiation of Early Silurian pentameride brachiopod
- communities, Anticosti Island, eastern Canada
- Rong-Yu Li and Trevor Allen Llandovery (Early Silurian) orthide brachiopod associations from Anticosti Island, eastern Canada
- Leif Tapanila and Jan Ove R. Ebbestad Benthic island community on the back of a snail: Silurian, Anticosti Island, Canada

 Allison C. Daley Statistical analysis of mixed-motive shell borings in Ordovician, Silurian, and Devonian brachiopods from
- northern and eastern Canada

 Jan Ove R. Ebbestad and Christopher A. Stott Failed predation in Late Ordovician gastropods (Mollusca) from

231

119

135

141

189

203

213

INTRODUCTION / INTRODUCTION

Benjamin F. Dattilo, Carlton E. Brett, Cameron J. Tsujita, and Robert Fairhurst Sediment supply versus storm winnowing in the development of muddy and shelly interbeds from the Upper Ordovician of the Cincinnati region, USA	243
March / Mars	
ARTICLES / ARTICLES	
Thian Hundert and David J.W. Piper Late Quaternary sedimentation on the southwestern Scotian Slope, eastern Canada: relationship to glaciation	267
David P. West Jr., Mary K. Roden-Tice, Jaime K. Potter, and Nellie Q. Barnard Assessing the role of orogen-parallel faulting in post-orogenic exhumation: low-temperature thermochronology across the Norumbega Fault System, Maine	287
Tamaki Sato and Xiao-chun Wu A new Jurassic pliosaur from Melville Island, Canadian Arctic Archipelago	303
Chris H. Hugenholtz, Stephen A. Wolfe, and Brian J. Moorman Effects of sand supply on the morphodynamics and stratigraphy of active parabolic dunes, Bigstick Sand Hills, southwestern Saskatchewan	321
Terence T. Kato, Warren D. Sharp, and Estanislao Godoy Inception of a Devonian subduction zone along the southwestern Gondwana margin: ⁴⁰ Ar- ³⁹ Ar dating of eclogite-amphibolite assemblages in blueschist boulders from the Coastal Range of Chile (41°S)	337
Peter J. van Hengstum and Darren R. Gröcke Stable isotope record of the Eifelian-Givetian boundary Kačák-otomari Event (Middle Devonian) from Hungry Hollow, Ontario, Canada	353
Richard Fortier, Anne-Marie LeBlanc, Michel Allard, Sylvie Buteau, and Fabrice Calmels Internal structure and conditions of permafrost mounds at Umiujaq in Nunavik, Canada, inferred from field investigation and electrical resistivity tomography	367
George A. Morris and Robert A. Creaser Correlation of mid-Cretaceous granites with source terranes in the northern Canadian Cordillera	389
ERRATUM/ ERRATUM	
W.G.E. Caldwell Erratum: Tribute to Professor Paul Copper / Erratum: Hommage à Paul Copper	405
April / Avril	
ARTICLES / ARTICLES	
Talia S. Karim Olenid-dominated trilobite fauna from the Shallow Bay Formation (Cow Head Group), Cambrian-Ordovician boundary interval, western Newfoundland	407
Caroline Lavoie, Philip R. Hill, Michel Allard, Guillaume St-Onge, and Patrick Lajeunesse High-resolution seismo-stratigraphy and sedimentological properties of late- and postglacial sediments in Lac Guillaume-Delisle Estuary and Nastapoka Sound, eastern Hudson Bay	427
Philip P. Bonnaventure and Antoni G. Lewkowicz Mountain permafrost probability mapping using the BTS method in two climatically dissimilar locations, northwest Canada	443
Victoria M. Arbour and Milton C. Graves An ornithischian dinosaur from the Sustut Basin, north-central British Columbia, Canada	457
Thomas Funck, Annette K. Hansen, Ian D. Reid, and Keith E. Louden Makkovik provinces of Labrador derived from refraction seismic data	465
Ryan T. Post and Darrel G.F. Long The Middle Cambrian Mount Roosevelt Formation (new) of northeastern British Columbia: evidence for rifting and development of the Kechika Graben System	483
Donald R. Prothero, Elizabeth Draus, Thomas C. Cockburn, and Elizabeth A. Nesbitt Paleomagnetism and Counterclockwise Tectonic Rotation of the Upper Oligocene Sooke Formation, Southern Vancouver Island, British Columbia	499
May / Mai	
Geology of northeastern British Columbia and northwestern Alberta: diamonds, shallow gas, gravel, and glaciers géologie du nord-est de la Colombie-Britannique et du nord-ouest de l'Alberta : des diamants, du gaz à faible profondeur, du gravier et des glaciers	/ La

Vic Levson Geology of northeast British Columbia and northwest Alberta: diamonds, shallow gas, gravel, and glaciers

509

Contents / Sommaire	C-3
ARTICLES / ARTICLES	
D. Roy Eccles, Robert A. Creaser, Larry M. Heaman, and Jeff Ward Rb-Sr and U-Pb geochronology and setting of the Buffalo Head Hills kimberlite field, northern Alberta	513
D. Roy Eccles, Larry M. Heaman, and Arthur R. Sweet Kimberlite-sourced bentonite, its paleoenvironment and implications for the Late Cretaceous K14 kimberlite cluster, northern Alberta	531
Gregory M.D. Hartman and John J. Clague Quaternary stratigraphy and glacial history of the Peace River valley, northeast British Columbia	549
Michelle Trommelen and Vic Levson Quaternary stratigraphy of the Prophet River, northeastern British Columbia	565
Adrian S. Hickin, Ben Kerr, Derek G. Turner, and Tom E. Barchyn Mapping Quaternary paleovalleys and drift thickness using petrophysical logs, northeast British Columbia, Fontas map sheet, NTS 94I	577
Jan M. Bednarski Landform assemblages produced by the Laurentide Ice Sheet in northeastern British Columbia and adjacent Northwest Territories — constraints on glacial lakes and patterns of ice retreat	593
Richard J. Hebda, James A. Burns, Marten Geertsema, and A.J. Timothy Jull AMS-dated late Pleistocene taiga vole (Rodentia: Microtus xanthognathus) from northeast British Columbia, Canada: a cautionary lesson in chronology	611
June / Juin	
ARTICLES / ARTICLES	
Peter D. Kruse and Andrey Yu Zhuravlev Middle-Late Cambrian Rankenella-Girvanella reefs of the Mila Formation, northern Iran	619
Jean-Philippe Degeai et Jean-François Pastre Évolution morphostructurale du plateau volcano-sédimentaire de Gergovie au Miocène inférieur : implications géodynamiques sur la phase tarditectonique du rift de Limagne (Massif central, France)	641
J. Brendan Murphy and Gabriel Gutiérrez-Alonso The origin of the Variscan upper allochthons in the Ortegal Complex, northwestern Iberia: Sm-Nd isotopic constraints on the closure of the Rheic Ocean	651
Jo-Anne S. Goodwin-Bell Delineation of isograds in siliceous dolomitic marbles along the Sharbot Lake – Frontenac terrane boundary of the Grenville Province, southeastern Ontario	669
J.F. Lerbekmo The White River Ash: largest Holocene Plinian tephra	693
Maya G. Kopylova and Patrick Hayman Petrology and textural classification of the Jericho kimberlite, northern Slave Province, Nunavut, Canada	701
Stephen R. Westrop, Jennifer D. Eoff, Tin-Wai Ng, Alyce A. Dengler, and Jonathan M. Adrain Classification of the Late Cambrian (Steptoean) trilobite genera Cheilocephalus Berkey, 1898 and Oligometopus Resser, 1936 from Laurentia	725
Hamish A. Sandeman and James J. Ryan The Spi Lake Formation of the central Hearne domain, western Churchill Province, Canada: an axial intracratonic continental tholeite trough above the cogenetic Kaminak dyke swarm	745
July / Juillet	
ARTICLES / ARTICLES	
Da-qing Li, Hai-lu You, and Jian-ping Zhang A new specimen of <i>Suzhousaurus megatherioides</i> (Dinosauria: Therizinosauroidea) from the Early Cretaceous of northwestern China	769
J.F. Lerbekmo, L.M. Heaman, H. Baadsgaard, K. Muehlenbachs, M.E. Evans, and A.R. Sweet Normal polarity magnetosubchrons in 24r and the age of the Paleocene–Eocene boundary	78
Karem Azmy, Denis Lavoie, Ian Knight, and Guoxiang Chi Dolomitization of the Lower Ordovician Aguathuna Formation carbonates, Port au Port Peninsula, western Newfoundland, Canada: implications for a hydrocarbon reservoir	79
Joanna Potter, Frederick J. Longstaffe, Sandra M. Barr, Margaret D. Thompson, and Chris E. White Altering Avalonia: oxygen isotopes and terrane distinction in the Appalachian peri-Gondwanan realm	815
Michael C. Wilson, Leonard V. Hills, and Beth Shapiro Late Pleistocene northward-dispersing Bison antiquus from the Bighill Creek Formation, Gallelli Gravel Pit, Alberta, Canada, and the fate of Bison occidentalis	827

August / Août

RAPID COMMUNICATION / COMMUNICATION RAPIDE

LK.	Pitcairn and N.T. Arndt	Shock brecciation	around the Kidd	Creek deposit,	Abitibi belt,	Canada	87	7]
-----	-------------------------	-------------------	-----------------	----------------	---------------	--------	----	----

D.T.A. Symons, K. Kawasaki, C.J.R. Hart, and M.J. Harris A paleomagnetic test for northward tectonic transport of the eastern Selwyn Basin, northern Canadian Cordillera: data from the mid-Cretaceous Ragged Pluton

860

897

969

981

1083

ARTIC	TIE	01	ADTI	01	EC

- Yana Fedortchouk and William LeBarge Sources of placer platinum in Yukon: provenance study from detrital minerals 879
- Carole J. Burrow, Susan Turner, Sylvain Desbiens, and Randall F. Miller Early Devonian putative gyracanthid acanthodians from eastern Canada
- John S. Myers, Ronald J. Voordouw, and Tanya A. Tettelaar Proterozoic anorthosite-granite Nain batholith: structure and intrusion processes in an active lithosphere-scale fault zone, northern Labrador 909
- Thomas R. Lakeman, John J. Clague, Brian Menounos, Gerald D. Osborn, Britta J.L. Jensen, and Duane G. Froese
 Holocene tephras in lake cores from northern British Columbia, Canada

 935
- Kerim Kocak Mineralogy, geochemistry, and Sr-Nd isotopes of the Cretaceous leucogranite from Karamadaz (Kayseri), central Turkey: implications for their sources and geological setting

 949

September / Septembre

ARTICLES / ARTICLES

- K. Kawasaki and D.T.A. Symons Paleomagnetism of fluorite veins in the Devonian St. Lawrence granite, Newfoundland, Canada
- R.A. Wilson, C.R. van Staal, and S. Kamo Lower Silurian subduction-related volcanic rocks in the Chaleurs Group, northern New Brunswick, Canada
- Stéphane De Souza, Alain Tremblay, Caroline Daoust, and Michel Gauthier Stratigraphy and geochemistry of the Lac-Brompton ophiolite, Canada: evidence for extensive forearc magmatism and mantle exhumation in the Southern Quebec Ophiolite Belt
- Charles Hepworth Holland and Paul Copper Ordovician and Silurian nautiloid cephalopods from Anticosti Island: traject across the Ordovician–Silurian (O–S) mass extinction boundary

 1015
- S.E. Zurevinski, L.M. Heaman, R.A. Creaser, and P. Strand The Churchill kimberlite field, Nunavut, Canada: petrography, mineral chemistry, and geochronology 1039
- Ryan C. McKellar, Alexander P. Wolfe, Ralf Tappert, and Karlis Muehlenbachs

 Lake ambers using infrared spectroscopy, stable isotopes, and palaeoentomology

 1061

October / Octobre

ARTICLES / ARTICLES

- David J.W. Piper, Georgia Pe-Piper, and Shannon Ledger-Piercey Geochemistry of the Lower Cretaceous Chaswood Formation, Nova Scotia, Canada: provenance and diagenesis
- Lija I. Flude and Guy M. Narbonne Taphonomy and ontogeny of a multibranched Ediacaran fossil: Bradgatia from the Avalon Peninsula of Newfoundland 1095
- Linda A. Tsuji and Johannes Müller A re-evaluation of *Parasaurus geinitzi*, the first named pareiasaur (Amniota, Parareptilia)
- Sarah Crookshanks and Robert Gilbert Continuous, diurnally fluctuating turbidity currents in Kluane Lake, Yukon
 Territory 1123
- Denis Lacelle, Véronique Juneau, André Pellerin, Bernard Lauriol, and Ian D. Clark Weathering regime and geochemical conditions in a polar desert environment, Haughton impact structure region, Devon Island, Canada 1139
- Elizabeth C. Turner and Darrel G.F. Long Basin architecture and syndepositional fault activity during deposition of the Neoproterozoic Mackenzie Mountains supergroup, Northwest Territories, Canada 1159
- Todd D. Cook, Mark V.H. Wilson, and Alison M. Murray A middle Cenomanian euselachian assemblage from the Dunvegan Formation of northwestern Alberta 1185

November / Novembre

Polar Climate Stability Network / Le Réseau d'études de la stabilité du climat polaire

INTRODUCTION / INTRODUCTION

- Claude Hillaire-Marcel Decadal- to millennial-scale variability of Arctic-Subarctic oceans and adjacent lands: a contribution of the Polar Climate Stability Network of Canada to the International Polar Year 1199
- Claude Hillaire-Marcel Variabilité décennale à millénaire des océans arctiques et sub-arctiques et des terres adjacentes : une contribution du Réseau d'étude de la stabilité du climat polaire du Canada à l'Année polaire internationale 1203

ARTICLES / ARTICLES

- Christelle Not, Claude Hillaire-Marcel, Bassam Ghaleb, Leonid Polyak, and Dennis Darby ²¹⁰Pb-²²⁶Ra-²³⁰Th systematics in very low sedimentation rate sediments from the Mendeleev Ridge (Arctic Ocean) 1207
- Bianca Fréchette, Anne de Vernal, and Pierre J.H. Richard Holocene and Last Interglacial cloudiness in eastern Baffin Island, Arctic Canada 1221
- C. Hillaire-Marcel, J.-F. Hélie, J. McKay, and A. de Vernal Elusive isotopic properties of deglacial meltwater spikes into the North Atlantic: example of the final drainage of Lake Agassiz
 1235
- R.K. Stevenson, X.W. Meng, and C. Hillaire-Marcel Impact of melting of the Laurentide Ice Sheet on sediments from the upper continental slope off southeastern Canada: evidence from Sm-Nd isotopes 1243
- Jean Carignan, Claude Hillaire-Marcel, and Anne de Vernal Arctic vs. North Atlantic water mass exchanges in Fram
 Strait from Pb isotopes in sediments 1253
- Francesco Barletta, Guillaume St-Onge, James E.T. Channell, André Rochon, Leonid Polyak, and Dennis Darby
 High-resolution paleomagnetic secular variation and relative paleointensity records from the western Canadian Arctic:
 implication for Holocene stratigraphy and geomagnetic field behaviour

 1265
- Alice S. Chang, Thomas F. Pedersen, and Ingrid L. Hendy Late Quaternary paleoproductivity history on the Vancouver Island margin, western Canada: a multiproxy geochemical study 1283
- Taoufik Radi and Anne de Vernal Last glacial maximum (LGM) primary productivity in the northern North Atlantic
 Ocean 1299
- Tara S. Ivanochko, Stephen E. Calvert, Richard E. Thomson, and Thomas F. Pedersen Geochemical reconstruction of Pacific decadal variability from the eastern North Pacific during the Holocene 1317
- Tara S. Ivanochko, Stephen E. Calvert, John R. Southon, Randolph J. Enkin, Judith Baker, Audrey Dallimore, and
 Thomas F. Pedersen Determining the post-glacial evolution of a northeast Pacific coastal fjord using a multiproxy
 geochemical approach

 1331
- Audrey Dallimore, Randolph J. Enkin, Reinhard Pienitz, John R. Southon, Judith Baker, Cynthia A. Wright,
 Tom F. Pedersen, Steve E. Calvert, Tara Ivanochko, and Richard E. Thomson Postglacial evolution of a Pacific
 coastal fjord in British Columbia, Canada: interactions of sea-level change, crustal response, and environmental
 fluctuations results from MONA core MD02-2494
- David Ledu, André Rochon, Anne de Vernal, and Guillaume St-Onge Palynological evidence of Holocene climate change in the eastern Arctic: a possible shift in the Arctic oscillation at the millennial time scale 1363
- J.L. McKay, A. de Vernal, C. Hillaire-Marcel, C. Not, L. Polyak, and D. Darby Holocene fluctuations in Arctic sea-ice cover: dinocyst-based reconstructions for the eastern Chukchi Sea
 1377
- Trecia M. Schell, David B. Scott, André Rochon, and Steve Blasco Late Quaternary paleoceanography and paleo-sea ice conditions in the Mackenzie Trough and Canyon, Beaufort Sea 1399
- Sandrine Solignac, Michael Grelaud, Anne de Vernal, Jacques Giraudeau, Matthias Moros, I. Nicholas McCave, and
 Babette Hoogakker Reorganization of the upper ocean circulation in the mid-Holocene in the northeastern Atlantic
- A.E. Viau, K. Gajewski, M.C. Sawada, and J. Bunbury Low- and high-frequency climate variability in eastern Beringia during the past 25 000 years 1435

December / Décembre

ARTICLES / ARTICLES

- Derek W. Larson Diversity and variation of theropod dinosaur teeth from the uppermost Santonian Milk River Formation (Upper Cretaceous), Alberta: a quantitative method supporting identification of the oldest dinosaur tooth assemblage in Canada 1455
- P.L. Corcoran and L.N. Moore Subaqueous eruption and shallow-water reworking of a small-volume Surtseyan edifice at Kakanui, New Zealand 1469
- C.S. Churcher and P.F. Karrow The Hamilton Bar Fauna: evidence for a Hypsithermal age
- Stephen E. Grasby, Zhuoheng Chen, Anthony P. Hamblin, Paul R.J. Wozniak, and Arthur R. Sweet Regional characterization of the Paskapoo bedrock aquifer system, southern Alberta 1501
- P.F. Daley, E.S. Krebes, and L.R. Lines A hybrid method applied to a 2.5D scalar wave equation
- Author Index for Volume 45 / Index des auteurs pour le volume 45
- Contents for Volume 45 / Sommaire pour le volume 45

 C-1